----------Q1----------

```
void main() {
  String key = 'y';
  while (key == "y") {
    print("Enter number");
    int num = int.parse(stdin.readLineSync()!);
    if (num > 0) {
      print("Number Is Postive");
    } else if (num < 0) {
      print("Number Is Negative");
    } else {
      print("Number Is Zero");
    }
    print("do you want try again y/n");
    key = stdin.readLineSync()!.toLowerCase();
  }
}
```

----------Q2----------

```
void main() {
int sum=0;
for(int i=0;i<=50;i++){
  sum+=i;
}
print(sum);
}
```

----------Q3----------

```
void main() {
  print("enter number");
int num=int.parse(stdin.readLineSync()!);
int digits=0;
while(num!=0){
  num~/=10;
  digits++;
}
print(digits);
```

```
}
-------------------------Q4-------------------------------------
void main() {
  print("enter yor number");
int num=int.parse(stdin.readLineSync()!);
int rev=0;
int remind;
while(num!=0){
   remind=num%10;
  rev=rev*10+remind;
  num~/=10;
}
print(rev);
}
----------------------------Q5----------------------------
void main() {
  print("enter number");
int n=int.parse(stdin.readLineSync()!);
print("enter power of numbre");
int p=int.parse(stdin.readLineSync()!);
var power;
power=pow(n,p);
print(power);}
-----------------------Q6-----------------------
void main() {
  String key='y';
while(key=='y'){
  print("Enter First Number ");
int num1=int.parse(stdin.readLineSync()!);
print("Enter operator");
String ope=stdin.readLineSync()!;
print("Enter Scend Number ");
int num2=int.parse(stdin.readLineSync()!);
switch(ope){
```

```
  case '+':
  int result=num1+num2;
  print(result);
  break;
case '-':
   int result=num1-num2;
  print(result);
  break;
  case '*':
   int result=num1*num2;
  print(result);
  break;
  case '/':
   double result=num1/num2;
  print(result);
  break;
  default:
  print("invalid value");
}
print("do you want try again y/n");
key=stdin.readLineSync()!.toLowerCase();
}
}
  ----------Q7----------
void main() {
  print("enter number1");
  int x = int.parse(stdin.readLineSync()!);
  print("enter number2");
  int y = int.parse(stdin.readLineSync()!);
  print("enter number3");
  int z = int.parse(stdin.readLineSync()!);
  if (x >= y && x >= z) {
   print("$x is max");
   if (y <= z) {
     print("$y is min");
```

```
    } else {
      print("$z is min");
    }
  } else if (y >= x && y >= z) {
    print("$y is max");
    if (x <= z) {
      print("$x is min");
    } else {
      print("$z is min");
    }
  } else if (z >= x && z >= y) {
    print("$z is max");
    if (x <= y) {
      print("$x is min");
    } else {
      print("$y is min");
    }  }
else {
    print("invaild value");
  }
}
 ---------------------------- Q8----------------------------------
void main() {
  int x;
  print("enter number");
  x=int.parse(stdin.readLineSync()!);
  for(int i=0;i<=x;i++){
    if(i%2==0){
    print(i);
    }
  }
}
----------------------------Q9----------------------------
void main() {
  print("Enter Number");
```

```
int n=int.parse(stdin.readLineSync()!);
int fact=1;
for(int i=1;i<=n;i++){
  fact*=i;
}
print(fact);
}
```

----------topic search----------

null saftey in dart used to diference between null variable and not null variable